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INFORMATION REPORT

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1. The firm Zeiss is developing military apparatus for the Russians. Presently under construction are "ultra-sound" Bildwandler with both "Durchlicht and Auflicht", to be used in the detection of fast flying planes from a distance of 9 km. The firm DEFA is making functional trick films (not yet instruction films) of the machines. Herr Kunstmann is making these films.
2. The firm Zeiss is also working on anti-aircraft apparatus and bomb sights. Recent reports seem to confirm that the firm Carl Zeiss, Jena, and perhaps also the firm of Zeiss-Ikon in Dresden continue to build large numbers of the Sonnar lenses with a focal length of 5.8 cm. This is the bomb sight lens used in the old "Stuka Visier". The transfokator lens which Professor Granatzki calculated for the Russians was originally based on the Sonnar lens. The transfokator lens was later recalculated in Dresden for visual correctness but not for photographic accuracy. It is believed that the Russians plan to use the old Stuka sight together with the new transfokator device thereby making it possible for the size of the target to remain unchanged in the device during the entire dive, i.e. to hold constant the magnifying factor as the distance from the object changes.
3. Zeiss is requesting money to establish a thermostat room with an exactness to one hundredth degree Centigrade. This exactness must be maintained for 48 hours. The room was officially requested for dial-type comparators (Uhrmass-Comparatoren). It is believed that this might really be for the growing of crystals (piezo-electric crystals) in one piece up to the size of 1.0 cm. in diameter.
4. The firm of Zeiss, Jena, is calculating a new microscopic condenser. In the process it was found that all existing calculations show strong spherical aberrations.
5. Herr Linnik, a Russian, published something in Leningrad in 1937 on the micro-interferometer. Zeiss took up the idea in 1943 and built three such apparatuses. Nothing about them was published and no more were built because the German Army clamped down with security restrictions. Now Zeiss has approached the DMK for money to start building such micro-interferometers again. Dipl. Ing. Bischof is mentioned as being responsible for this renewed interest.

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6. It is reported that Zeiss is undertaking research on the scratch phenomena on glass (Vorgänge bei Ritzvorgängen im Glas). Towards the end of the war a similar problem was examined at Askania Works in Berlin.
7. A total of 10,500 people are employed at Zeiss.

* Sic, for infra-red Bildwandler (iconoscopes)?

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